

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION DR-642

Effective Date: September 1, 2013
Reevaluation Date: **January 2015**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" and 8'-0" Opaque Smooth Star Fiberglass Doors, Inswing, Singles & Doubles with and without Vented Sidelites, Non-Impact Resistant, manufactured by

Therma-Tru Corporation
118 Industrial Drive
Edgerton, OH 43517
Telephone: (419) 298-1740

General Description:

System	Description	Label Rating Multi-Point Lock	Label Rating Latch and Deadbolt	Drawing Number
1	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ "Vented" Sidelite & Integral Mullion, Inswing (XX)	±80 psf	+65/-75 psf	TX-4291
2	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ "Vented" Sidelites & Integral Mullion, Inswing (XXX)	±80 psf	+65/-75 psf	TX-4291
3	6'-0" x 6'-8" Opaque Fiberglass Double Door w/ "Vented" Sidelites & Integral Mullion, Inswing (XXXX)	+35/-40 psf	N/A	TX-4291

General Description (continued):

System	Description	Label Rating Multi-Point Lock	Label Rating Latch and Deadbolt	Drawing Number
4	3'-0" x 8'-0" Opaque Fiberglass Single Door w/ "Vented" Sidelite & Integral Mullion, Inswing (XX)	+65/-75 psf	±50 psf	TX-4292
5	3'-0" x 8'-0" Opaque Fiberglass Single Door w/ "Vented" Sidelites & Integral Mullion, Inswing (XXX)	+65/-75 psf	±50 psf	TX-4292
6	6'-0" x 8'-0" Opaque Fiberglass Double Door w/ "Vented" Sidelites & Integral Mullion, Inswing (XXXX)	±35 psf	N/A	TX-4292

Component Dimensions:

System	Overall Size	Panel Size	Overall Sidelite Panel Size	Maximum Daylight Opening Size (Lip Lite Glazing)	Maximum Daylight Opening Size (Flush Glazing)
1	53 $\frac{3}{8}$ " x 82"	36" x 79 $\frac{1}{4}$ "	13 $\frac{15}{16}$ " x 79 $\frac{1}{4}$ "	Sidelite: 5 $\frac{7}{8}$ " x 62 $\frac{7}{8}$ "	Sidelite: 6" x 63"
2	69" x 82"	36" x 79 $\frac{1}{4}$ "	13 $\frac{15}{16}$ " x 79 $\frac{1}{4}$ "	Sidelite: 5 $\frac{7}{8}$ " x 62 $\frac{7}{8}$ "	Sidelite: 6" x 63"
3	106" x 82"	36" x 79 $\frac{1}{4}$ "	13 $\frac{15}{16}$ " x 79 $\frac{1}{4}$ "	Sidelite: 5 $\frac{7}{8}$ " x 62 $\frac{7}{8}$ "	Sidelite: 6" x 63"
4	53 $\frac{3}{8}$ " x 98"	36" x 95 $\frac{1}{4}$ "	14" x 95 $\frac{1}{4}$ "	Sidelite: 7" x 79 $\frac{1}{4}$ "	N/A
5	69" x 98"	36" x 95 $\frac{1}{4}$ "	14" x 95 $\frac{1}{4}$ "	Sidelite: 7" x 79 $\frac{1}{4}$ "	N/A
6	106" x 98"	36" x 95 $\frac{1}{4}$ "	14" x 95 $\frac{1}{4}$ "	Sidelite: 7" x 79 $\frac{1}{4}$ "	N/A

Hardware and Component Dimensions:

System	Component	Quantity	Attachment Method
1, 2, 4 & 5	4" Butt Hinges	3 per door and sidelite	Hardware shall be installed in accordance with Therma-Tru drawings TX-4291, dated January 2, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on February 19, 2013.
	Lock and deadbolt strike plate or Multi-point lock strike plate	1 per lockset & deadbolt or 1 per latch/deadbolt combo and 1 per tongue strike	
	Hoppe Multi-point lockset (OSL Series Sidelite)	1	
	Kwikset Signature Series or Hoppe Multi-point lockset (HLS 9000)	1	
	Kwikset Signature Series (780) Deadbolt or Hoppe Multi-point lockset (HLS 9000)	1	
3 & 6	4" Butt Hinges	4 per door and sidelite	Hardware shall be installed in accordance with Therma-Tru drawings TX-4292, dated January 2, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on February 19, 2013.
	Multi-point lock strike plate	1 per lockset & deadbolt	
	Hoppe Multi-point lockset (OSL Series Sidelite)	1	
	Hoppe Multi-point lockset (HLS 9000)	1	

Product Identification (Certification Agency Label on Door):

System		
1-6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation, Edgerton, OH
	Product Name	Opaque Fiberglass Door
	Test Standards	ASTM E330-02
	Drawing Number	TX-4291 or TX-4292

Impact Resistance:

Component	Impact Resistant	Requirement
Doors and Sidelites	No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System			
1-6	Type of Installation	Door Frame	
	Wall Framing	Wood (G \geq 0.42) or Concrete (minimum 3,000 psi)	
	Fasteners	Wood: Minimum No. 10 or No. 12 PFH wood screw per the drawings Concrete: $\frac{1}{4}$ " Elco or ITW concrete screw	
	Fastener Embedment	Wood: Minimum of 1.15 inches into wood framing (head/jamb) and $1\frac{1}{2}$ " (sill) Concrete: Minimum of $1\frac{3}{4}$ inches into the concrete	
	Fastener Location/Spacing	Head	The door shall be installed and anchored in accordance with Therma-Tru Corporation drawings TX-4291 and TX-4292, dated January 2, 2013, signed and sealed by Lyndon F. Schmidt, P.E. on February 19, 2013.
		Sill	
		Side Jamb	
		Hinges	

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.